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POLYETHYLENE FILM FOR PACK SHEET OF PAPER DIAPER, ETC.**Publication Number:** 58-129034 (JP 58129034 A) , August 01, 1983**Inventors:**

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Applicants

- ASAHI CHEM IND CO LTD (A Japanese Company or Corporation), JP (Japan)

Application Number: 57-010240 (JP 8210240) , January 27, 1982**International Class (IPC Edition 3):**

- C08L-023/08
- A41B-013/02
- A61F-013/00
- B29D-007/00
- C08L-023/16
- C08L-053/00
- C08L-023/08
- C08L-053/00
- C08L-023/16
- C08L-053/00

JAPIO Class:

- 14.2 (ORGANIC CHEMISTRY--- High Polymer Molecular Compounds)
- 28.2 (SANITATION--- Medical)
- 30.3 (MISCELLANEOUS GOODS--- Clothing & Personal Belongings)

Abstract:

PURPOSE: To prepare the titled film having moderate flexibility and toughness, by compounding a specific amount of a block copolymer of a conjugated diolefin and a monovinyl aromatic hydrocarbon to a polyethylene resin.

CONSTITUTION: 100pt.wt. of a copolymer of ethylene and $\leq 10\text{mol}\%$ α -olefin and having a density of 0.915-0.940g/cm(sup 3) is compounded with 10-50pts.wt. of a block copolymer of a conjugated diolefin (e.g. 1,3-butadiene, isoprene, etc.) and a monovinyl aromatic hydrocarbon (e.g. styrene, vinyltoluene, etc.) and preferably having a molecular weight of 10,000-500,000. The composition is formed to a film having a tensile modulus of 1,500-2,500kg/cm(sup 2) and a high speed gravis tear strength of 250kg-cm/cm at the folded part. (From: *Patent Abstracts of Japan*, Section: C,

Section No. 191, Vol. 07, No. 235, Pg. 162, October 19, 1983)

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POWERED BY **Dialog****POLYETHYLENE RESIN COMPOSITION FOR EXTENSIBLE FILM****Publication Number:** 61-009448 (JP 61009448 A) , January 17, 1986**Inventors:**

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- FUJII TOSHIO
- SEKI IWAOKA

Applicants

- MITSUBISHI CHEM IND LTD (A Japanese Company or Corporation), JP (Japan)

Application Number: 59-131638 (JP 84131638) , June 26, 1984**International Class (IPC Edition 4):**

- C08L-023/06
- C08L-023/06
- C08L-053/00
- C08L-023/08

JAPIO Class:

- 14.2 (ORGANIC CHEMISTRY--- High Polymer Molecular Compounds)
- 30.3 (MISCELLANEOUS GOODS--- Clothing & Personal Belongings)

Abstract:

PURPOSE: The titled resin composition which has excellent extensibility, strength, etc., is suitable for simple gloves, etc. and obtained by mixing a linear low-density polyethylene having specified physical properties, a thermoplastic styrene block copolymer, and an ethylene/.alpha.-olefin copolymer.

CONSTITUTION: 100pts.wt. linear low-density polyethylene (A) having a melt index of 10g/10min or lower and an elongation of 500% or greater, 30-100pts.wt. thermoplastic styrene block copolymer (B) (e.g. a styrene/butadiene/styrene block copolymer) having a melt index of 10g/10min or lower and an elongation of 500% or greater, and 30-100pts.wt. copolymer (C) of an ethylene and an .alpha.-olefin of 3 or more C (e.g. propylene) having a Vicat softening temperature of 100c or lower, an elongation of 500% or greater, and a degree of crystallinity of 30% or less are mixed to give an aimed polyethylene resin composition for an extensible film. (From: *Patent Abstracts of Japan*, Section: C, Section No. 350, Vol. 10, No. 148, Pg. 160, May 29, 1986)

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